



MINE CLEARANCE PLANNING AGENCY
(MCPA)

QUARTERLY PROGRESS REPORT

1st APRIL 1991 - 30th JUNE 1991

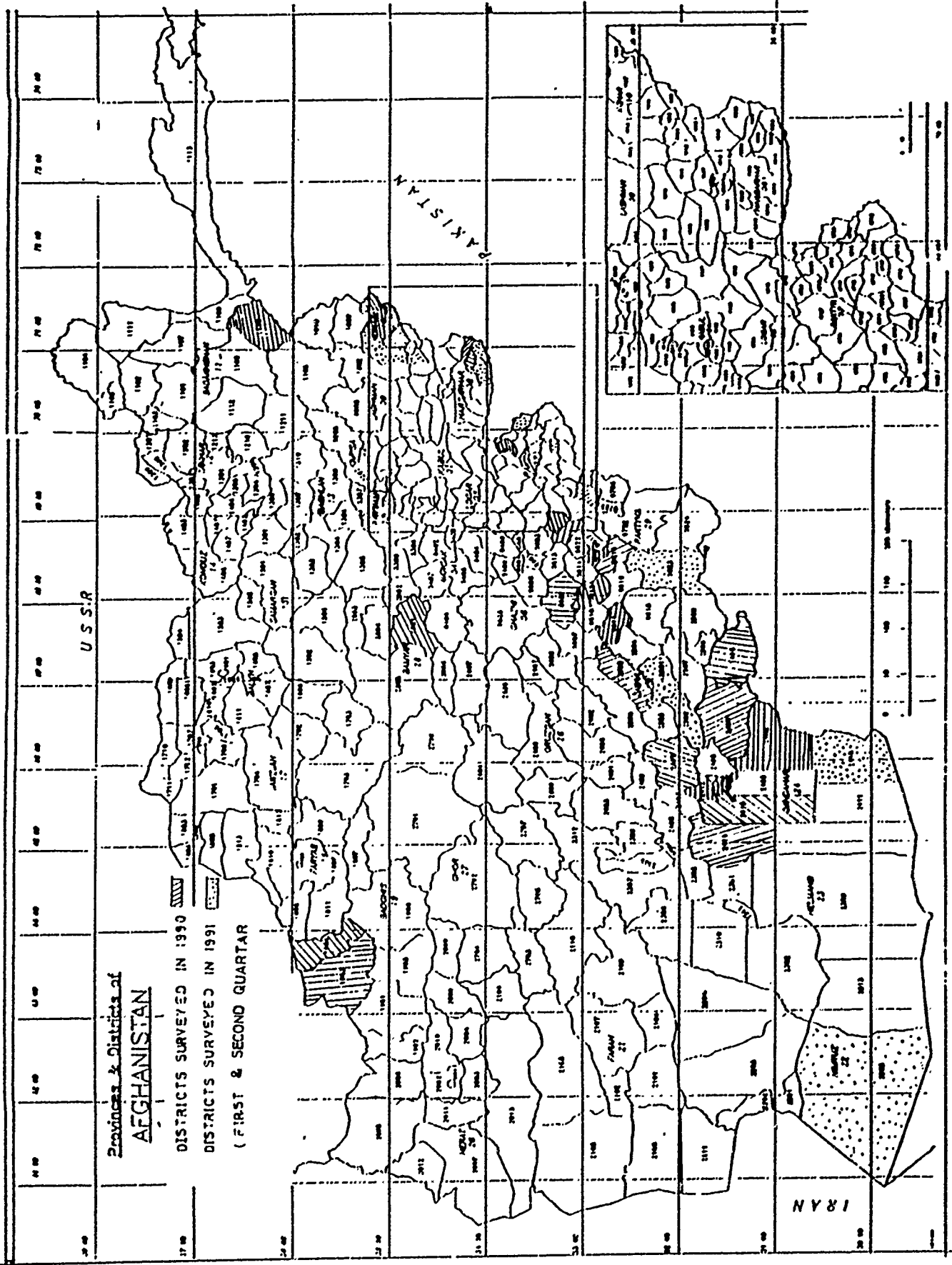


Front Cover Photo:

Mohammad Osman MCPA Surveyor injured on May 30, 1991 Jaji Pakitia

TABLE OF CONTENTS

INTRODUCTION	(ii)
GENERAL	(ii)
ADMINISTRATION	1
LOGISTICS	2
FINANCE	4
SURVEY, MONITORING, PLANNING & MAPPING (SMPM) RUNNING COST . .	4
SMPM ESTABLISHMENT COST	5
ADMINISTRATIVE COST	5
GRAPH (CHART)	5
OPERATIONS	6
GENERAL SITUATION	6
GENERAL SURVEY PROGRESS	7
KUNAR PROVINCE	7
PAKTIA PROVINCE	7
PAKTIKA PROVINCE	7
NEEMROZ PROVINCE	7
KANDAHAR PROVINCE	7
ZABUL PROVINCE	7
MONITORING	8
NEW DEVICES	9
TRAINING	11
MAPPING	12
FUTURE PLANS	13
RECOMMENDATIONS	14
CONCLUSION	14
ANNEXES	



INTRODUCTION

AIM. The aim of this report is to highlight the progress that MCPA has made during the second quarter of 1991 and detail any problems that may have occurred.

GENERAL

As climatic effect lessened in the second quarter of the year, they were of little effect against the operation of MCPA. The main problem came to be the security situation. This caused considerable delays and replanning of the operations. Security situations (aerial bombing) have forced us to suspend operations in some provinces and redeploy our teams to more peaceful areas. In addition, the security situation has also played a major role, not only to MCPA but all other agencies, as to the access into certain areas which has been somewhat difficult. MCPA have mainly been operating in five provinces during the second quarter. These are Paktia, Paktika, Nimroz, Zabul and Kandahar. Monitoring of demining teams was continued in this quarter. To date 9 (nine) demining teams have been monitored and technical advice given.

In this period, two independent evaluation experts in the fields of management and technical affairs have visited MCPA and the results of their evaluation are still to be seen.

I would like to take the opportunity and thank all those who have somehow assisted us to undertake a successful operation, specially UNOCA for providing technical and administrative advice and MCPA personnel and all other demining personnel for their hard work and sacrifice

Sayed Aqa
Director
Mine Clearance Planning Agency

ADMINISTRATION

During last three months the Admin section was busy generally with day to day Admin within the organization, updating all official records and creating File Index cards for 1991 filing systems. As stated in our first quarter report the Admin section is now becoming of age, therefore, we do not face many problems in our daily activities. The major activities of the Admin section during the previous three months were:

Employment of a temporary assistant for the Mapping section for the period of one month (May), who could give Mapping a hand in drawing required maps.

We now own a complete set of video camera, VCR, TV and other accessories which will be used as an instrument in improving our survey/monitoring missions.

Therefore, we needed to hire a cameraman. Among 12 candidate for the position one was able to pass the interview as well as the practical examination and was employed.

As the MCPA radio base station is monitoring on a 24 hrs. basis there was a need to hire one more radio operator. This was done on June 15, 1991.

During this period two of our international demining experts were dismissed due to their own personal reasons. Their contracts were, however, due to expire on June 30, 1991. Farewell parties were held for both.

During this period MCPA database which contains three types of databases linked together (Survey/Clearance database, Logistic database and Administration database) has been completed. The database is programmed to provide different formats of reports.

- a. The Survey/Monitoring Clearance Database has been designed to store survey/monitoring and clearance information for minefields. The main part in this database is the coding system which has been taken from the Provincial Gazetteer of Afghanistan which was published in Feb. 1975. The Gazetteer provides a standard coding system at village level approved by UNIDATA and is in use by many agencies.

This system can provide different reports according to UNOCA, ATC/SHAAD and MCPA requirements.

- b. The Logistic database can keep track of all non expendable equipments for which MCPA is accountable.
- c. The Administrative database contains complete employee records as well as report formats according to UNOCA Standard Reporting Procedures.

LOGISTICS

During the past quarter since 1st April 1991 the logistic section has strived to meet its targets and has managed to maintain its target level.

A summary of the major activities of the logistic section during these three months were:

1. The sub-office in Quetta has been assisted in various fields of administrative operations and logistics. The major assistance is detailed below:
 - a. A computer with monitor and printer was purchased and issued to the sub office.
 - b. All required stationery have been printed and provided
 - c. In order to provide a good environmental and working atmosphere, 3 sets of air conditioners were sent to Quetta office from our stock in Peshawar.
 - d. The survey monitoring teams operating from Quetta have been fully equipped with some extra mine detector, battery chargers, rechargeable batteries, walkie talkie radios and it's planned that very soon they will be equipped with one more mobile radio set and walkie talkie radios.
 - e. The engine oil and some other expendable replacement parts for the vehicles which are either not available in Quetta or expensive, have been provided through this section
2. Each two survey monitoring teams have been provided a third mine detector in order to give them a reserve capability in country.
3. To add to the efficiency of the radio net-work an order was placed for the purchase of 1 X base station, 4 X mobile sets, and 20 sets of walkie talkie radios.
4. Due to bad hygienic conditions and as increase of mine incidents and vehicles accidents an authorized doctor from UNOCA Islamabad consulted and advised us on a more effective first aid kit for our survey monitoring teams. The logistic section has prepared the recommended first aid kit that will be issued to our teams after the required training
5. A video system has been purchased and handed over to the newly hired operator
6. To have a good workable atmosphere all offices have been fixed with air conditioners.
7. All the inventory records have been computerized and checked. The result was satisfactorily.
8. The balance of the advance money for general expenses has been checked weekly with the finance section and all the purchased documents properly submitted to the mentioned section.
9. A third pick up vehicle was rented due to the shortfall and un serviceability of our two vehicles. Due to accident and technical defection, our vehicles are now repaired and ore in sound running conditions. The 3rd rented pick up vehicle's contract was not necessary to be extended any longer, therefore it's contract was terminated w.e.f. from 02/06/91.
10. The damaged vehicle due to accident on 3rd March 1991 was repaired and the replacement parts which were available in Pakistan were provided from abroad and the vehicle is now in sound running condition. All the day to day maintenance of the vehicles and other office equipments were done at one time in order to enable a smooth operation

11. Five 4X4 pick up which were ordered in last quarter are still awaiting. Due to problems because of Gulf war the ordering process was delayed. It is hoped that they are received in very near future
12. A data base system is designed by the computer operator which is enabling the logistic section to keep track of its accounts and inventory in a logical manner.

FINANCE

ACTIVITIES

During the second quarter of 1991 the finance section was engaged in the following activities:

1. Presentation and explanation of 1990 books and records to UN auditors from New York.
2. Book keeping for the second quarter.
3. Preparation of financial statements for first and second quarter which have been sent to Geneva.
4. Enrolment of staff with bank.

IMPROVEMENTS

During second quarter the following improvements and modifications have been made in the financial system.

1. All the employees have been enrolled with the bank, and the payments of their salaries, D.S.A's and other entitlements are made through the bank to them.
2. Book keeping has been computerized, i.e cash book, bank book, general ledger and advances ledger have been made through computer on a monthly basis.
3. No cash with draws from the bank have been made since May 1991. All payments have been made through cheque except for petty expenses which have been paid from advances given to logistic officer and transport officer through cheque and have been adjusted on a monthly basis through journal vouchers.

SURVEY MONITORING PLANNING & MAPPING (S.M.P.M) RUNNING COST

The following table shows total cost incurred against each account in second quarter 1991:

DESCRIPTION	DIRECT US\$	PAK RS	TOTAL US\$	% of BUDGET ALLOCATED UNDER THESE HEADS
1.Project Personnel	46200	540342	69693	8.71
2.DSA & Travel	-	250365	10885	13.60
3.Expendable Equipts:	-	165737	7206	20.59
4.Operational Equip/Maint	-	356780	15512	19.39
	46200	1313224	103296	15.57

The total S.M.P.M cost from 1st January to 30th June 1991 was US\$ 319901 which is 22.85% of the MCPA total budget for 1991.

RUNNING COST ON S.M.P.M. PER SQUARE METRE:

During the second quarter the total area surveyed, monitored, and mapped was 4,788,301 square metres. The cost per square metre was US\$ 0.021 i.e TOTAL S.M.P.M. COST/AREA S.M.P.M.

ESTABLISHMENT COST

The total establishment cost that consists of Non Expendable Equipts such as mine detectors, probes and radio equipts for 10 teams during the second quarter was US\$ 3,666, which is 1.04% of the total budget. The cost per team was US\$ 366.60.

ADMINISTRATIVE COST

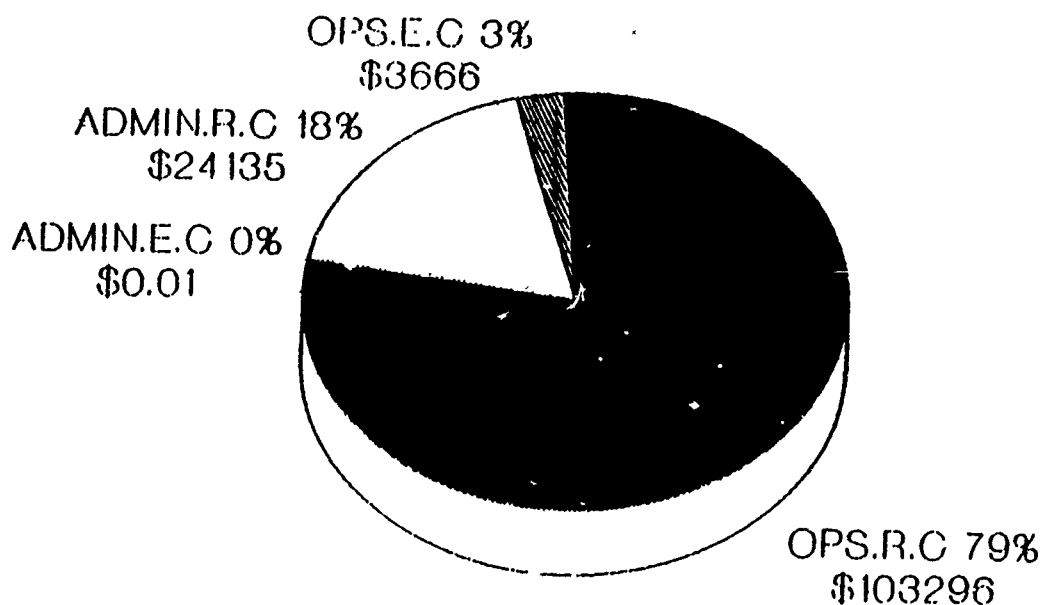
This is confirmation of expenses under below mentioned heads of accounts.

DESCRIPTION	AMOUNT US\$	% of BUDGET ALLOCATED UNDER THESE HEADS
Support personnel	11,950	7.46
Premises & Facilities	7,206	20.56
General Expenses	4,979	24.89
Total:	24,135	17.63

The allocations of budget under different head and its utilization from 1st January to 30th June 1991 along with percentages given below:

AC.C.	DESCRIPTION	AMOUNT ALLOCATED	AMOUNT UTILIZED	BALANCE	% OF AMOUNT UTILIZED AGAINST BUDGET
1100	Project personnel	800,000	185,224	614,776	23.15
1300	Admin support personal	160,000	31,859	128,141	19.91
1500	Traveling D.S.A.	80,000	32,054	47,946	40.06
4100	Expendable equipments	35,000	15,308	19,692	43.74
4200	Non expendable equip.	155,000	7,380	147,620	4.76
4300	Premises	35,000	15,077	19,922	43.08
5100	Ops. & main. of equip.	80,000	23,334	56,666	29.17
5200	Reporting cost	10,000	3,115	6,885	31.15
5300	G.O.P.	20,000	6,920	13,080	34.60
5400	Contingency	25,000	--	25,000	--
		1,400,000	320,271	1,079,729	28.31

OPREATIONAL- ADMINISTRATIVE COST



SECOND QUARTER 1991

OPERATIONS

GENERAL SITUATION:

During the second quarter of 1991 MAPA has faced no political, tribal and/or social problems with the communities and/or local authorities. We found locals very helpful and they were in full support of our operations. This was a direct result of good relations and consultation with the local authorities.

Our teams have explained the importance and need of demining operations to Shuras and locals as well as asked their support for other relief work which is occurring generally and with Operation Salam in particular.

The main problem was aerial bombing of some areas where we were planning to operate. That forced us either to stop the operation or delay for some time. This had a negative effect to the out put of the survey/monitoring teams.

Two of our teams could not deploy into Wardak province in late April, because of heavy bombing on the Urgan (Paktika) - Wardak main road. Two teams working in Urgan had to stop the operations for one week because of bombing. One of the minefields which was surveyed only ten hours before got bombed in Mondozaï area of Khost district in Paktia province.

However we managed to successfully survey 33 minefields in Jaji and Khost districts of Paktia province, Wazakhwa and Urgan districts of Paktika province, Char Borjak district of Nimroz province, Shahjoe and Darwazagai districts of Zabul province and Spinboldak district in Kandahar Province.



MCPA director giving presentation to the representatives of more then 25 countries

GENERAL SURVEY PROGRESS

Kunar province:

The survey of mined areas, excluding mountains, in the province has 100% completed in the early days of this quarter. A certificate has been obtained from the provincial Shuras confirming the successful completion of all minefield survey. The clearance operation is still going on.

Paktia province:

In May 1991, MCPA teams started their operation in Jaji district. So far 8 minefields have been surveyed, marked and mapped.

According to written requests from the elder Shuras of Mandozia, Ismailkhil sub districts of Khost district and the request from DACAAR, a team was deployed into the above mentioned areas in early June. three minefields were surveyed and due to the security situation (bombing) the team was withdrawn
(See Annex A)

Paktika province:

In second quarter of 1991, the weather conditions allowed us to restart our activities in Urgon district. During the quarter the final five minefields in the district were surveyed and certificate was obtained from the district Shura, certifying the completion of minefield survey of all known mined areas through the district excluding mountains.

In line with the request of district Shura of Wazakhwa, MCPA started its operation in Wazakhwa district on May 12, 1991. After a meeting with the Shura it was known that the priority of the local people for clearance is the road between Wazakhwa and Qamarudine the bordering town in Pakistan from where that locals get most of their supplies. The road was surveyed in eight different sections totalling 30Km of mined area. (See Annex B)

Nimroze province:

According to the plan of work for 1991, the initial operation was launched into Charburjak district in early May. The team was sent after formal request of Charborjak Shura. The Shura was very cooperative and they have provided us security from Quetta. During the mission and back to Quetta. Four mined areas were surveyed and reports passed on to demining agency (SWAAD). (See Annex C)

Kandahar province:

The operation continued through the second quarter in spin boldak district of kandahar province. (See Annex D)

Zabul province:

Survey operations were conducted in the districts of Shahjoe, Darwazagle, Jeldak and Shahri Saffa. four minefields were surveyed in the province through the second quarter. The survey/monitoring teams entertained full community support.
(See Annex E)

MONITORING

It is strongly believed that monitoring of demining activities is as important as surveying of mined areas. The main objective of monitoring is to make sure that all safety procedures are being carried out properly in order to minimize the number of accidents that may happen during a clearance operation as well as ensure that the mine eradication policy of the United Nations is fully implemented.

Therefore our teams have continued monitoring of demining teams in the second quarter of the current year.

On April 10-11, 1991 ATC team No 5, 9, 13 and 15 were monitored by MCPA international demining experts. Firstly the importance of monitoring was explained to demining team leaders and they then started their task. All team members were operating in a very safe method as they were trained in Risalpur. The only default was the absence of compasses. All demining teams should be equipped with good quality compasses as soon as possible.

SWAAD team No 01, 03 and 04 in Spinboldak district and SWAAD team No 09 and 10 in Shor Awak district of Kandahar province have been monitored over the second quarter. Safety procedures were being undertaken. Lack of some important equipments such as compasses, walkie talkie radios and MCPA maps are to be actioned.

Generally speaking, remarkable improvements could be noted compared to last year when the teams were very young. Considerable experiences have been gained in the fields of practical demining, command and control and all other aspects of demining operation. It is hoped that the operation is becoming more refined since the military contingents are allowed by their governments to enter Afghanistan for the purpose of monitoring of demining activities.



Day to day life in Afghan villages.

**New and Unknown devices found by MCPA
survey/monitoring teams**

On May 23, MCPA survey/monitoring team No 1 during the survey of mine field No 024 (Zam post) in Urgun district, Paktika province has found one anti-personal mine. The mine is resembling OZH-72 but the size of it is approx. half that of OZH-72. On the upper side of this mine there are three small holes with some wires coming out. The mine was bearing no markings.

(See photo 1)

On June 06, on the way from the minefield to our base in Jaji district of Paktia province while staying in a hotel for lunch MCPA team # 3 saw an explosive device with the owner of the hotel. The device was covered with plastic and weighing 3 Kg. There was approx. 3m of safety fuse connected to it. There was no detonator in the device. According to the owner of the hotel this device was made in China and it could only be exploded by detonation. It is suspected that the device is to be used for destruction of bridges and buildings. (See photo 2)

In Khost district of Paktia province, it is reported by MCPA team No 7 that there are a lot of artillery shells used as mines. The shells are placed on the ground and MUV-2 fuse is placed on top of the shell and a loose wire is connecting the shell with a wooden stake driven into the ground approximately 4-5m from the shell

(See photo 3)

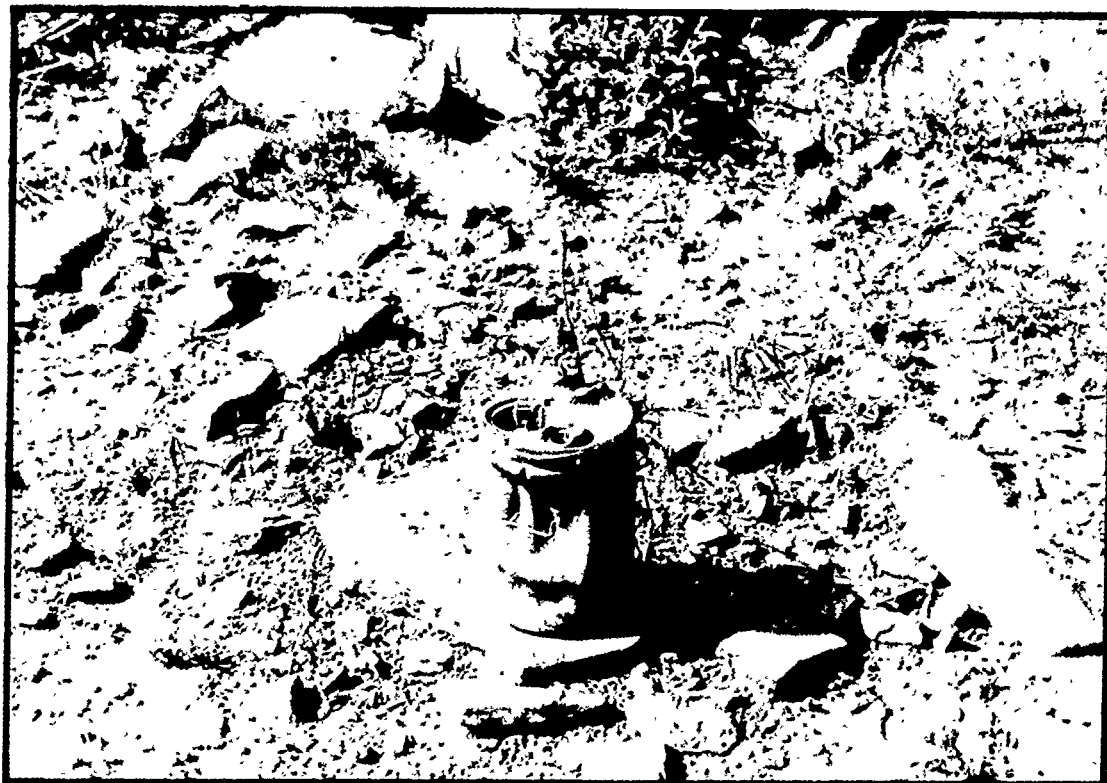


Photo 1

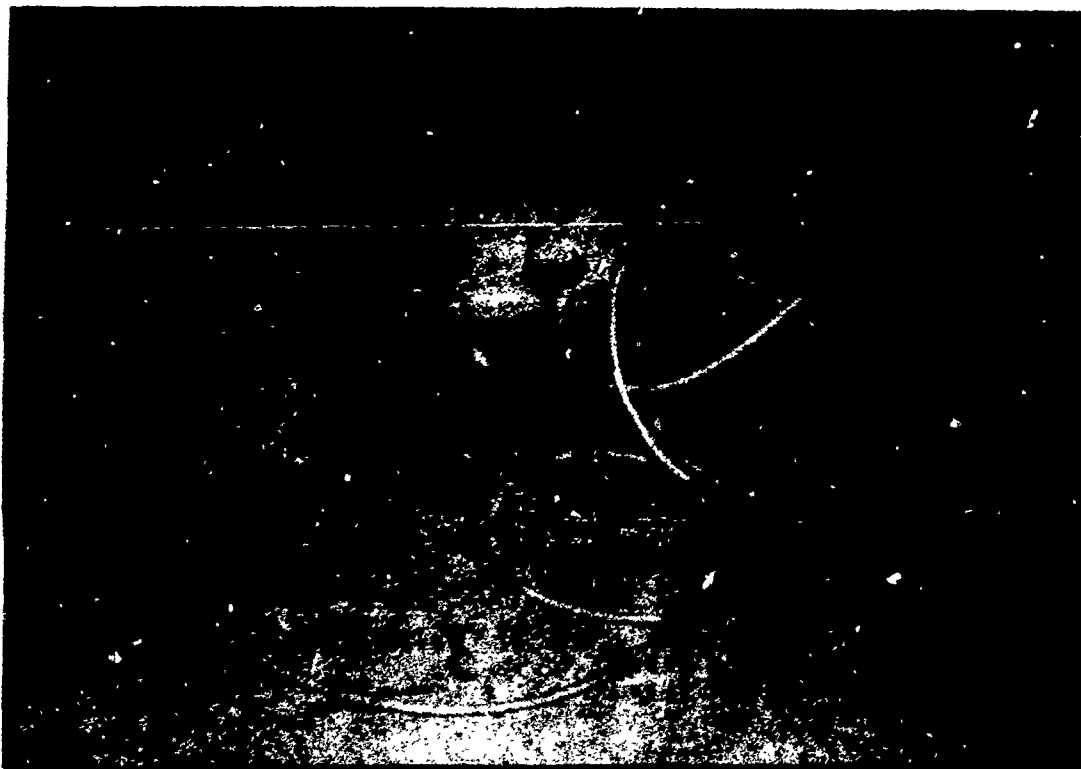


Photo 2



Photo 3

TRAINING

The occurrence of incidents, recovering of new devices during the operation periods, the more effectively designing of minefield maps and the properly use of First Aid medical kit emphasize further training for MCPA surveyor/monitors.

To combat these eventualities, on June 26 1991, the MCPA arranged for a one day training session at its headquarter for all surveyor/monitors. The aim of the training was to highlight and rectify methodology for designing of minefield maps and marking of all those points where mines will be found within the minefield during the survey tasks.

On June 27, 1991 a one day First Aid medical course was conducted for all MCPA surveyor/monitors. Dr. Allium of UNOCA Islamabad has briefed the teams members on how to effectively use the First Aid medical kits and medicines.

All teams have been debriefed by the operation officer after their return from each mission. Much useful advice was given.

Incidents

During the second quarter of the current year only one incident has occurred. This incident occurred on May 30, 1991 in Ali Khail village, Jaji district of Paktia province in minefield No.005. Due to this incident one MCPA surveyor/monitor Mohammad Osman of team No. 4 lost his left leg approx. 12cm below knee and received serous injuries on his right leg. He was successfully evacuated to ICRC hospital in Peshawar. He is now able to walk with stids and will soon be out of hospital. Mohammad Osman has asked the MCPA director if he could go back and join his team members after full recovery.



Mohammad Osman receiving first class medical treatment

MAPPING:

In addition to providing survey and operational maps the mapping section was busy training surveyors in the construction of these maps in order to enable the survey/monitoring teams to produce accurate data and quality formats of maps which then could be passed on to demining teams.

Below is an outline of work carried out by mapping office over the second quarter of 1991:

- a. In this quarter we have started to implement a filing system that can keep a master copy of maps of surveyed and cleared areas. All General Minefield Location Maps and detailed Sketch Maps of Minefields which have been surveyed are filed into the system in red files and minefields which are cleared will be filed separately in green files.
- b. 37 sheets of maps scale 1:100,000 of Northern provinces have been reproduced
- c. Maps of target districts are provided to survey/monitoring missions according to their requirements
- d. Minefield sketch maps of surveyed areas have been provided to demining agencies.
- e. The section is working on a general map of Afghanistan which at this stage is 70% completed



MCPA team convinced locals to give a way mines for central destruction

FUTURE PLANS

As mentioned in our first quarterly progress report of 1991, we are planning to operate in 17 provinces during the current year. This largely depends on security situations in the provinces if there is a workable environment. A clear example will be Wardak province that we were unable to deploy our teams due to bombardment and fighting.

We are still waiting for the funding of our proposal for the General Survey of Mines Situation in Afghanistan. Hopefully this will be funded after the positive result of the mid term review of Operation Salam programmes for 1991.

Marking of minefields:

Upto date each turning point of surveyed minefields are marked with steel rods driven into the ground and a pile of red painted stones on top. This is being done under the understanding that the demining teams will come and clear these fields anywhere between a week and a year after the survey.

It is very well known that demining of Afghanistan is a very big task and it will take many years to declare the country free of mines. During this period many accidents may happen to locals and travelers. In order to avoid or at least minimize the accidents we are planning to put clear permanent markings after the survey and physical proving of mined areas on each turning point and wherever needed, so that everybody could note that they are near a mined area and avoid it.

The shape and type of permanent marking is still under discussion. The matter has been discussed with senior technical advisor UNOCA Demining programme and other military experts.

MCPA is recommending a triangle shape concrete base half a metre high from the ground level with a steel pole (approx. 75cm) painted red or orange. (See Annex J)

RECOMMENDATIONS

1. That all demining agencies make sure that the teams are deployed fully equipped with no shortfall of necessary equipments such as compasses, walkie Talkies, goggles and maps.
2. That all monitoring reports, despite the identity of monitoring team, are centrally kept at MCPA, and MCPA should be used as the central pool of information.
3. That all demining agencies fill out the form at annex K as soon as a task is completed and return it to MCPA operation section to be entered into MCPA demining database for future records.
4. Selected Afghan personnel of the demining programme should get high level training in different aspects of demining in order to bring down the presence of expatriates to a minimum. If the aim is to allow Afghans to solve Afghan problems this must occur. It will also reduce the programme cost.

CONCLUSION

To conclude, the second quarter of 1991 was a rewarding period despite some security situations which had a lot of negative effect into the operations. Although we have achieved the target level, a lot more could have been achieved with no restriction of aerial bombing. The teams have gained more experience and expertise.

Operational, administrative and logistic record keeping systems have been easier and more efficient since the MCPA database system has been in use. The system is capable of storing all relevant information relating to demining activities that can produce desired format of output.

ANNEXES:

- Annex A:** Survey progress report Paktia province
- Annex B:** Survey progress report Paktika province
- Annex C:** Survey progress report Nimroz province
- Annex D:** Survey progress report Kandahar province
- Annex E:** Survey progress report Zabul province
- Annex F:** Surveyed /cleared minefields statistics (provincewise)
- Annex G:** Surveyed/cleared minefields graph (Sq.m)
- Annex H:** Surveyed/cleared minefields graph (Km)
- Annex I:** Total area of minefields surveyed & cleared in second quarter 1991, graph
- Annex J:** Devices located and destroyed by Survey/monitoring teams
- Annex K:** Proposed permanent markings of minefields
- Annex L:** Format of clearance input for MCPA (demining) database required, from demining agencies

ANNEX - A

Province:- Paktia

District	Land Type	Mine Type	Year No.	Survey Date	Area SqH	Clea.Time Year(hrs)	Minefield #	Started HGO	Complete	AT	AP	UXO	Shrapnel	Area SqH Cleared
Jaji	ROAD	AT	MCPA-3	20/05/91	50000	90	07/0719/27/001	/ /	/ /	0	0	0	0	0
Jaji	AGRI-LAND	AP	MCPA-3	25/05/91	50032	60	07/0719/27/003	/ /	/ /	0	0	0	0	0
Jaji	AGRI-LAND	AP	MCPA-4	26/05/91	450100	611	07/0719/27/002	/ /	/ /	0	0	0	0	0
Jaji	AGRI-LAND	AP	MCPA-3	30/05/91	132063	205	07/0719/27/004	/ /	/ /	0	0	0	0	0
Jaji	AGRI-LAND	AP	MCPA-3	05/06/91	110001	130	07/0719/30/006	/ /	/ /	0	0	0	0	0
Jaji	AGRI-LAND	AP	MCPA-4	05/06/91	91666	167	07/0719/23/005	/ /	/ /	0	0	0	0	0
Jaji	GRADING	AP	MCPA-3	05/06/91	10063	30	07/0719/30/008	/ /	/ /	0	0	0	0	0
Hondozl	ROAD	AT	MCPA-7	07/06/91	900	2	07/0710/20/001	/ /	/ /	0	0	0	0	0
Jaji	AGRI-LAND	AP	MCPA-4	10/06/91	63375	116	07/0719/23/007	/ /	/ /	0	0	0	0	0
Hondozl	AGRI-LAND	AP	MCPA-7	13/06/91	04212	154	07/0710/10/002	/ /	/ /	0	0	0	0	0
Hondozl	AGRI-LAND	AP	MCPA-7	10/06/91	63627	116	07/0710/10/003	/ /	/ /	0	0	0	0	0

ANNEX - B

Province:- Paktika

District	Land Type	Mine Type	Year No.	Survey Date	Area SqH	Clea.Time Year(hrs)	Minefield #	Started HGO	Complete	AT	AP	UXO	Shrapnel	Area SqH Cleared
Uzoa Khva	ROAD	AT	MCPA-6	12/05/91	52500	96	29/0623/6/001	/ /	/ /	0	0	0	0	0
Urgon	RI	AP	MCPA-2	15/05/91	152530	277	29/0702/36/020	/ /	/ /	0	0	0	0	0
Uzoa Khva	ROAD	AT	MCPA-5	21/05/91	115020	209	29/0623/6/002	/ /	/ /	0	0	0	0	0
Urgon	GRADING	AP	MCPA-1	23/05/91	322270	506	29/0702/0/025	/ /	/ /	0	0	0	0	0
Urgon	GRADING	AP	MCPA-2	24/05/91	515000	937	29/0702/0/027	/ /	/ /	0	0	0	0	0
Uzoa Khva	ROAD	AT	MCPA-5	26/05/91	107200	195	29/0623/40/006	/ /	/ /	0	0	0	0	0
Uzoa Khva	ROAD	AT	MCPA-6	27/05/91	107920	197	29/0623/6/003	/ /	/ /	0	0	0	0	0
Uzoa Khva	ROAD	AT	MCPA-6	30/05/91	60060	109	29/0623/6/004	/ /	/ /	0	0	0	0	0
Uzoa Khva	ROAD	AT	MCPA-5	30/05/91	40590	80	29/0623/40/007	/ /	/ /	0	0	0	0	0
Urgon	GRADING	AP	MCPA-2	02/06/91	200160	437	29/0702/0/020	/ /	/ /	0	0	0	0	0
Uzoa Khva	ROAD	AT	MCPA-6	05/06/91	69420	127	29/0623/6/005	/ /	/ /	0	0	0	0	0
Uzoa Khva	ROAD	AT	MCPA-5	06/06/91	90560	165	29/0623/40/000	/ /	/ /	0	0	0	0	0
Urgon	GRADING	AP	MCPA-1	21/06/91	401600	802	29/0702/0/026	/ /	/ /	0	0	0	0	0

14

ANNEX-C

Province:- Nimroz

District	Land Type	Mine Type	Team No.	Survey Date	Area SqM	Clea.Time Year(hrs)	Minefield #	Started NGO	Complete	AT	AP	UXO	Shrapnel	Area SqM Cleared
Char Dorjak	AGRI-LAND	AP	NCPA-10	07/05/91	191811	348	22/2205/0/001	/ /	/ /	0	0	0	0	0
Char Dorjak	AGRI-LAND	AP	NCPA-10	11/05/91	146364	266	22/2205/0/002	/ /	/ /	0	0	0	0	0
Char Dorjak	IRRIG	AP	NCPA-10	13/05/91	16462	30	22/2205/30/003	/ /	/ /	0	0	0	0	0
Char Dorjak	RESIDENTIAL	AP	NCPA-10	15/05/91	9990	18	22/2205/30/004	/ /	/ /	0	0	0	0	0

ANNEX-D

Province:- Kandahar

District	Land Type	Mine Type	Team No.	Survey Date	Area SqM	Clea.Time Year(hrs)	Minefield #	Started NGO	Complete	AT	AP	UXO	Shrapnel	Area SqM Cleared
Spia Boldak	ROAD	AT	NCPA-9	02/04/91	164500	300	24/2402/16/021	/ /	/ /	0	0	0	0	0

ANNEX-E

Province:- Zabul

District	Land Type	Mine Type	Team No.	Survey Date	Area SqM	Clea.Time Year(hrs)	Minefield #	Started NGO	Complete	AT	AP	UXO	Shrapnel	Area SqM Cleared
Jaldak	IRRIG-GRAS	AP	NCPA-10	11/04/91	206211	375	25/2502/40/001	/ /	/ /	0	0	0	0	0
Jaldak	IRRIG-GRAS	AP	NCPA-10	12/04/91	42402	77	25/2502/40/002	/ /	/ /	0	0	0	0	0
Shah Vay	IRRIG-GRAS	AP	NCPA-10	10/06/91	151264	275	25/2504/10/004	/ /	/ /	0	0	0	0	0
Shinkai	GRABING	AP	NCPA-9	17/06/91	726240	1300	25/2507/122/001	/ /	/ /	0	0	0	0	0

MINI CLEARANCE PLANNING AGENCY

TOTAL AREAS SURVEYED AND CLEARED DURING THE PERIOD OF 1ST. APRIL TO 30TH JUNE 1991

ANNEX - F

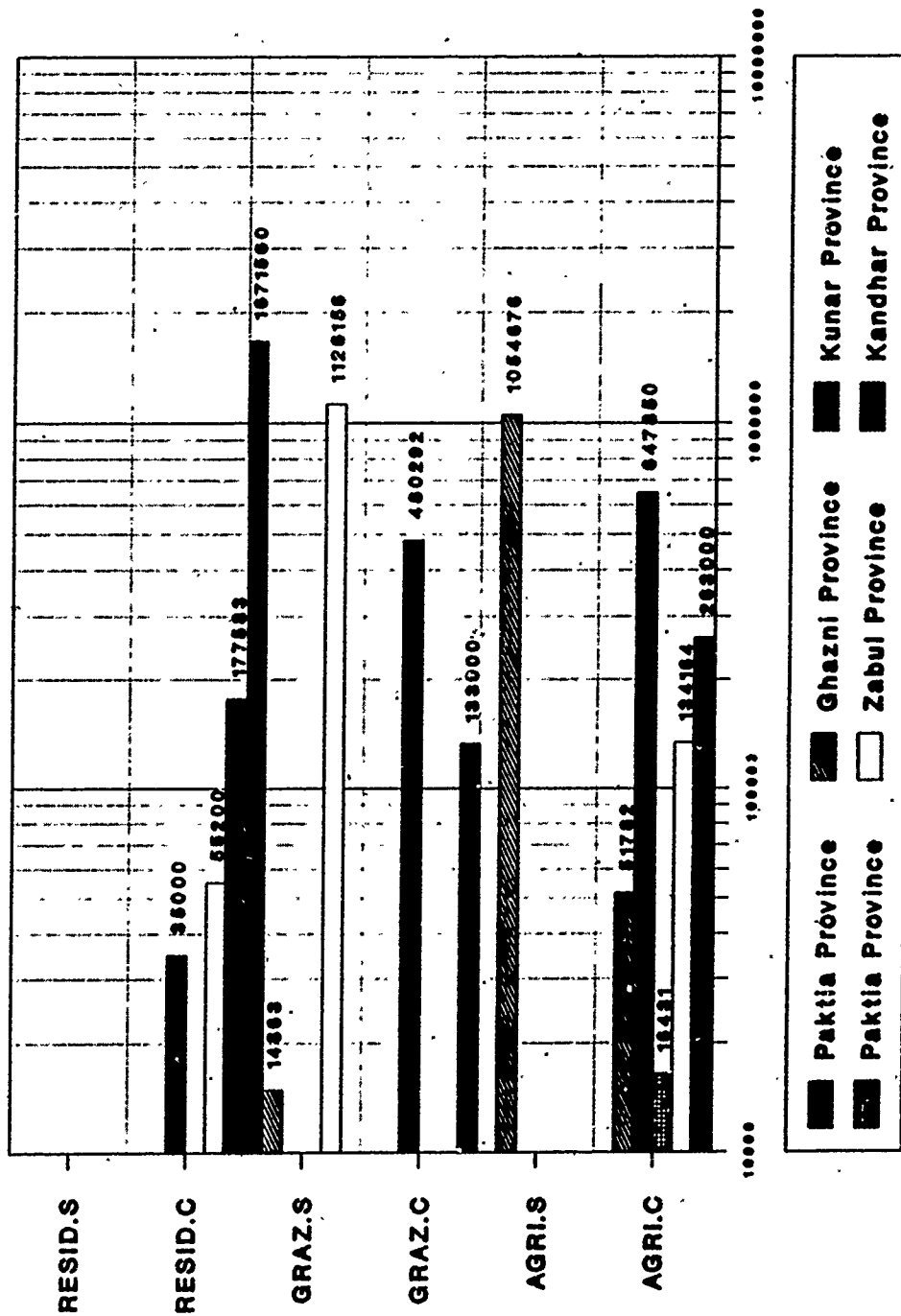
ANNEX - F

PROVINCE	AGRI. LAND (SqM)		GRAZING (SqM)		ROAD (KM)				CANAL (M2)				RESIDENTIAL AREA (SqM)		
	SURVEYED	CLEARED	SURVEYED	CLEARED	SURVEYED		CLEARED		SURVEYED		CLEARED		SURVEYED	CLEARED	
					L. KM	W.M	L. KM	W.M	L. KM	W.M	L. KM	W.M			
KUNAR		647850		480292										35000	
PAKISTIA	1054676	51782	14863												
PAKTIKA			1671560		32.562	20	0.653								
KANDAHAR		263000		133000	2.23	12	16.625	36				83.22	3	177583	
ZABUL		134164	1126156											55200	
GHAZNI		16431													
NIMROZ	338175								5.4	3				9990	
TOTAL	1392851	1113227	2812588	613292	34.792	16	17.3	36				83.22	3	9990	267783

MINE CLEARANCE PLANNING AGENCY SURVEYED AND CLEARED MINEFIELDS

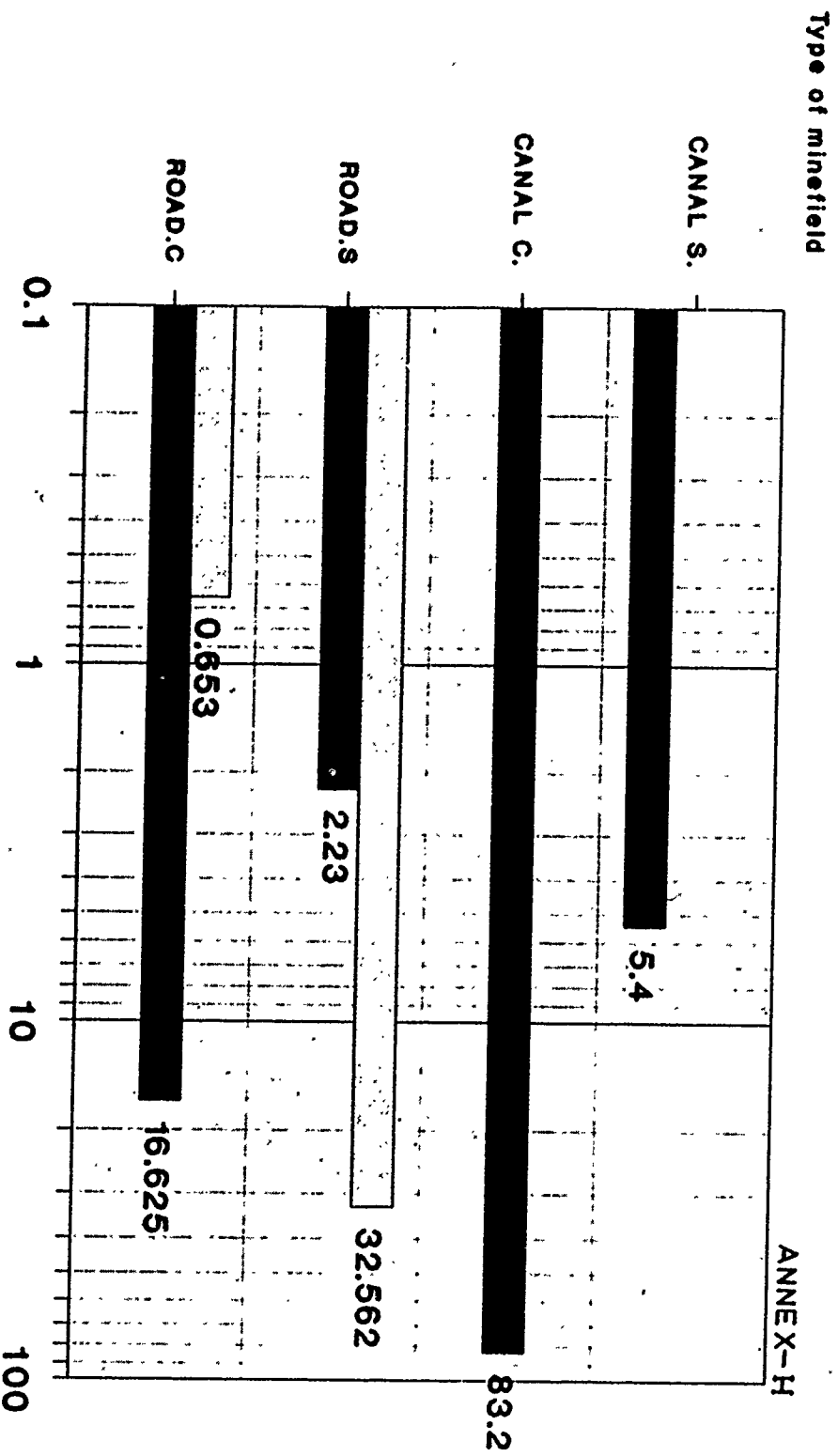
ANNEX-G

Type of minefield



S: Surveyed, C: Cleared

MINE CLEARANCE PLANNING AGENCY SURVEYED AND CLEARED MINEFIELDS



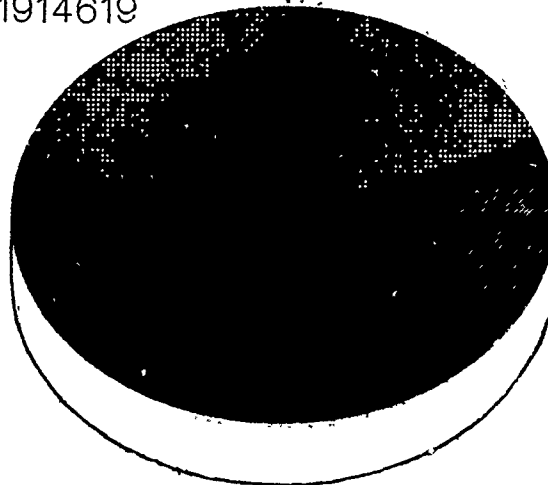
S: Surveyed, C: Cleared

MINE CLERANCE PLANNING ANENCY

TOTAL AREA SURVED & CLEARED

ANNEX-1

S. waiting for C. 40%
1914619



Surveyed & Cleared 60%
2873682

SECOND QUARTER 1991

S • Surveyed, C • Clearance

MINE CLEARANCE PLANNING AGENCY

**MINES AND UXO'S DESTROYED BY MCPA SURVEY MONITORING TEAMS
DURING THEIR OPERATION**

ANNEX-J

LOCATIONS		ANTI PERSONAL MINES					AT MINES		UNKNOWN DEV.		UXOS		TOTAL DEVICES
PROVINCE	DISTRICT	POMZ	PMN	PMD6	PPMI-81	OZM72	HK7				BOMB	MORTOR	
PAKTIKA	URGOM	20	5	33	4	5	FUSES 60	1				40	168
	MANDOZAI	6	12										18
PAKTIA	JAJI	4	52								1		57
	SHARI SAFA										3		3
ZABUL													
TOTAL		30	69	33	4	5	60	1	4	40			246

PROPOSED PERMANENT MINEFIELD MARKINGS

ANNEX X-K

10 cm

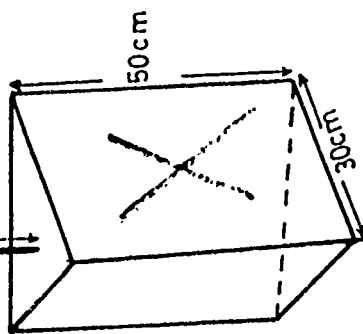
FACING TO MINEFIELD

OPTION -1

$$V_1 = 0.0195 \text{ m}^3$$

$$W_{\text{net}} = 19.5 \text{ kg}$$

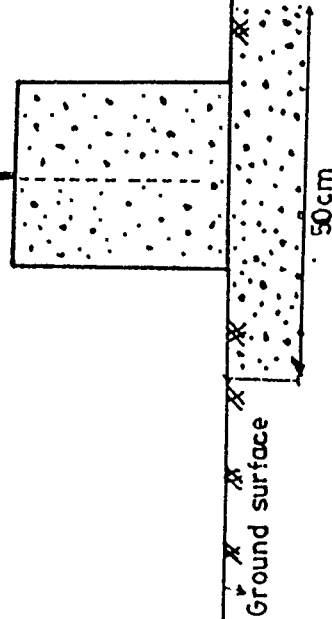
$$W_{\text{gross}} = 49.5 \text{ kg}$$



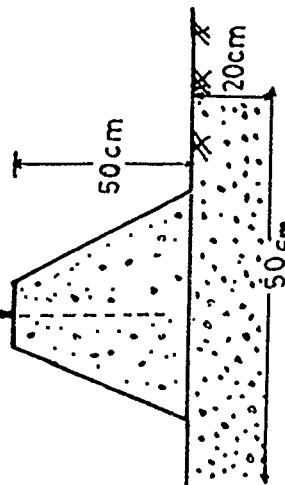
Turning point

1

SIDE VIEWS



2

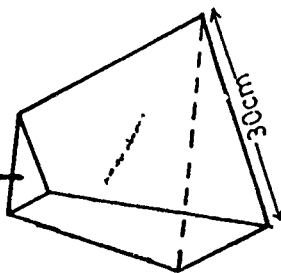


OPTION-2

$$V_2 = 0.00065 \text{ m}^3$$

$$W_{\text{net}} = 6.5 \text{ kg}$$

$$W_{\text{gross}} = 36.5 \text{ kg}$$



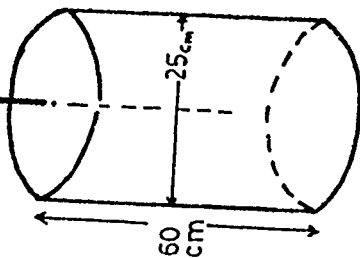
B.M

$$V = 0.0049 \text{ m}^3$$

$$W_{\text{net}} = 49 \text{ kg}$$

$$W_{\text{gross}} = 79 \text{ kg}$$

Facing to start point



CLEARANCE INPUT FOR NCPA DATABASE

ORGANIZATION

ANNEX-L

[illegible]